

Broadway Group
Huntsville, AL

Subject: Dollar General Store water consumption

This letter is offered as a method of estimating the daily and monthly water consumption at the various projects located in **New York State**.

Per a review of plumbing plans the building is to be equipped with:

- 2 flush tank toilets @ 5 WSFUs each
- 2 restroom lavatories @ 2 WSFUs each
- 1 mop sink @ 3 WSFUs
- 1 high-low drinking fountain @ 0.25 WSFUs per side

yielding a total of 17.5 WSFUs for the building. The building is to be supplied by a 1" domestic water line.

In an effort to estimate the monthly demand (in gallons), a review of monthly consumption over a 14 month period for 3 Dollar General stores of a similar size was performed. Per this review, the average monthly domestic water consumption was 2,210 gallons per month with a maximum for any 1 month of 4,000 gallons.

Therefore, the estimated monthly domestic water consumption is 2,500 to 4,000 gallons with a daily water consumption of 84 to 134 gallons per day.

Please contact me with any questions.

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